

CLAIMS

1. A positioning system comprising:

a first conventional correlation path for detecting and correlating satellite position signals

5 and providing an output when a signal is detected;

a second correlation path for correlation path for detecting and correlating said satellite position signals;

a subtractor coupled to said first and second correlation paths for removing said output from an input of said second correlation path.

2. The positioning system of claim 1 further including an assistance signal coupled to said second correlation path.

3. The positioning system of claim 2 wherein said assistance signal includes one or
more Doppler frequencies for said satellites.

4. The positioning system of claim 2 wherein said assistance signal includes one or more locations for said satellites.

20 5. The positioning system of claim 2 wherein said assistance signal includes a list of one or more satellites that are currently available.

6. The positioning system of claim 2 wherein said assistance signal includes one or more navigation bits in said signals from said satellites.

7. A method for using a positioning system comprising:

5 transmitting signals from one or more satellites;

detecting and correlating said signals in a first correlation path and providing an output when a signal is detected and correlated;

detecting and correlating said signals in a second correlation path having an input;

10 subtracting said output from said first correlation path from said input of said second correlation path.

8. The method of claim 7 further including an assistance signal coupled to said second correlation path.

15 9. The method of claim 8 wherein said assistance signal includes one or more Doppler frequencies for said satellites.

10. The method of claim 8 wherein said assistance signal includes one or more locations for said satellites.

20

11. The method of claim 8 wherein said assistance signal includes a list of one or more satellites that are currently available.